

REPLACEMENT PARAGRAPH 0021

After the pieces of wood 1a, 1b, 1c, ... have left the measuring station 6, they reach a transfer station 8 through which the pieces of wood 1a, 1b, 1c, ... are transported to the sawing station 3. The measuring station 6 and the transfer station 8 have the same transport device 7. [[It]] The transport device 7 has a controllable drive that can be a servo motor or frequency-controlled motor. By means of such a motor it is possible to control or regulate the transport speed in a way to be described in the following as a function of the sawing process in the sawing station 3. In the illustrated embodiment, the measuring station 6 and the sawing station 3 are positioned in a straight line (are aligned). Of course, these two stations 3, 6 can also be arranged so as not to be aligned.

REPLACEMENT PARAGRAPH 0029

As illustrated schematically in Fig. 4, the position of the pieces of wood 1 on the transport device 7 is detected, for example, by means of a light scanner 11 whose signals are supplied to the control unit 12. In the area of the ~~advancing direction~~ transport device 9 in the sawing station 3 an additional light scanner ~~is~~ scanner 13 is positioned whose signals are also supplied to the control unit 12. The input signals of the two light scanners 11, 13 indicate positions of the transport devices or of the pieces of wood 1a, 1b, 1c, ... as well as the position of the saw. Based on the input signals, the feeding velocity of the transport devices 7, 9 as well as the speed of the saw are recalculated and adjusted such that sequentially transported pieces of wood 1, 1b, 1c, ... have a minimal spacing relative to one another.